

Technical Support Services Contract

USAID Contract EEE-C-00-01-00020-00

2nd Quarterly Report FY2005
January 1 - March 31, 2005



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PREFACE

The Technical Support Services Contract (TSSC) for the U.S. - Asia Environmental Partnership (US-AEP) is comprised of two principal teams: Program Support and Operational Support. TSSC staff are located in Bangkok, Delhi, Hanoi, Jakarta, Manila, Colombo and Washington DC.

Program Support staff offer technical assistance in implementing activities in all US-AEP countries, with a principal focus on urban and industrial programs, as detailed in the 2005 US-AEP Country Work Plans. Program Support staff also oversee the administration of TSSC Grants and Short-Term Technical Assistance.

Operational Support team members provide technical and administrative support to TSSC Program Support staff and TSSC Country Program Coordinators as well as US-AEP / USAID personnel. TSSC staff assist in partnership collaboration and development and lead US-AEP's communication activities. Operational Support staff also ensure the smooth-running of TSSC operations, including results reporting, systems management, grants and STTA administration, invoicing and related financial operations, as well as various administrative functions.

This report covers the activities of the TSSC for the first quarter of fiscal year 2005, the period from January 1, 2005 – March 31, 2004. These activities are reported under two categories: Program Support and Operational Support.

Program Support activities are summarized under the following headings:

- Regional Activities
- Country Activities

Operational Support activities are summarized under the following headings:

- Grants and Short Term Technical Assistance (STTA)
- Communications
- Regional Operations Support
- US-AEP Annual Report and Program Results
- Invoices & Budgeting Quarter 1 Fiscal Year 2005

A synopsis of TSSC's quarterly activities is provided in the following Executive Summary.

EXECUTIVE SUMMARY

Regional Activities

During the second quarter of the FY05 fiscal year, TSSC provided technical and operational support at the regional level. In collaboration with the US-AEP Regional Coordinator, TSSC finalized a work plan to document lessons learned in US-AEP implementation during FY01-05. These lessons learned will guide future US-AEP efforts and strategy, inform similar international activities, and fulfill SO close-out requirements. Technical support in the first quarter to implement this plan focused on the collection of documents and preparation of a questionnaire for use with local partners, US-AEP Country Managers, and relevant individuals to support the Lessons Learned activity.

As part of US-AEP's innovative air quality management activities, the TSSC regional manager completed a Better Air Quality Conference workshop summary report on "Public Awareness Campaigns for Improving Air Quality" that includes recommendations for practitioners working to improve air quality through public outreach and awareness raising in the region.

To assist the Regional Development Mission/Asia in developing its response to the December 26, 2004 tsunami, TSSC regional staff helped draft a concept paper outlining areas in which the US-AEP program might provide assistance in tsunami relief efforts. TSSC regional staff also supported US-AEP and U.S. & Foreign Commercial Service (US&FCS) have been working in partnership over the last four months to facilitate the donation of a large drinking water purification system to serve 250 Thai families whose water system was impacted by the tsunami. Efforts included assisting in a site assessment and facilitating the placement of a US Peace Corps Crisis Corps volunteer at the site to coordinate installation and operator training, as well as working to ensure that sufficient local resources are mobilized to facilitate equipment installation and operation.

TSSC assisted with USAID Global Climate Change (GCC) reporting and initiated work to assist with Office of Presidential Initiatives (OPIN) water reporting.

TSSC also provided substantial operational support at the regional level during the first quarter of FY05, including working with all TSSC offices to manage 26 active grants and STTA contracts and to finalize and award 24 additional grants/STTAs. TSSC also continued to identify and develop success stories, submitting five to the USAID Telling Our Story Web site for publication.

Improved Air Quality

TSSC continued to provide leadership and support for air quality activities in a number of US-AEP countries. In the Philippines, TSSC's continuing support for replication of the successful Clean Air Program (CAP) in Puerto Princesa included a study tour to Puerto Princesa for mayors and officials of Calbayog City, Samar and Mandaue City, Cebu. Both cities stated their interest in replicating the CAP program. USAID invited TSSC to participate in USAID's Energy and Clean Air Program (ECAP), which may continue assistance to cities, in coordination with the League of Cities of the Philippines, to develop and implement programs to reduce air pollution. TSSC also provided technical assistance to Tagbalay Foundation and to the Environmental Broadcaster Circle to develop public awareness and media campaigns on the health effects of air pollution. In Indonesia, TSSC provided support for the personal monitoring exposure project, including technical assistance for equipment procurement, operation and maintenance, and site selection criteria. TSSC also assisted in coordinating partner (University of Indonesia and Swisscontact) participation. TSSC, through multiple stakeholder engagement, developed a road map to reduce pollutants and Greenhouse Gas Emissions at the

Colombo, Sri Lanka dumpsite and to generate renewable energy as a waste management strategy. During the last quarter, TSSC worked with the city government, dumpsite owner, World Bank and USAID to evaluate the road map and develop follow on activities.

In Thailand, TSSC worked directly with several partners of the DIESEL program to address specific issues involving vehicle procurement and testing. In Vietnam, TSSC assisted in a number of air quality improvement activities. Working with STTA air experts, TSSC is assisting Vietnam Register and other partners to develop a road map for achieving more stringent Euro standards in new vehicles and fuels to reduce emissions. US-AEP, in collaboration with USEPA and the TSSC-sponsored Center for Environmental Engineering of Towns and Industrial Areas (CEETIA), trained 24 monitoring station operators on quality assurance and control in fixed and mobile air monitoring stations. TSSC also continued to support the Clean Air Initiative for Asian Cities (CAI-Asia), the regional partnership among Asian Cities to promote innovative means to improve air quality. TSSC coordinated a fact finding mission to Ho Chi Minh City by the Asian Development Bank, CAI-Asia, and Health Effects Institute that resulted in compilation of information on the relationship and linkages between air pollution and poverty.

Improved Water Quality, Supply and Sanitation

In several countries TSSC advanced wastewater treatment activities. In Indonesia, a TSSC worked with a host of stakeholders to initiate and identify demand for water/wastewater sector activities. Topics explored included certification and training of operators (including the possibility of using distance learning techniques), utility re-rating efforts, monitoring and evaluation of drinking water zones, and collaboration with other partners and donors in capacity building of utilities. TSSC advanced the wastewater recycle/reuse model at the Delhi (India) JAL Board's sewage treatment plant through meetings and presentations. In Sri Lanka, TSSC provided cost estimates for waste water treatment systems for hotels damaged by the tsunami. TSSC also guided the Quick Response Grant for verification of environmental technologies for waste water treatment of vehicle service stations in Sri Lanka. In Vietnam, TSSC is assisting with various efforts to determine allowable levels of water extraction to maintain ecosystems, and address competing water use.

Improved Waste Management

In both Vietnam and the Philippines, TSSC provided technical assistance to advance inspection and permitting guidelines on the use of cement kilns for co-processing of wastes as alternative fuel and raw material. TSSC is also guiding the development of a Philippines Chemical and Hazardous Wastes Emergency Response Program, including developing a procedures manual and sponsoring pilot programs. In Vietnam, TSSC is working with the Chemical Society of Vietnam to discuss inviting Bayer to become a model for Responsible Care in Vietnam. In India, the TSSC Urban Environmental Infrastructure Advisor supported improvements to solid waste management systems through the development of recommendations to numerous cities and towns across India and the conduct of workshops for state and municipal officials involved in urban services delivery. In addition, the UEIA was invited by USAID to participate in its international conference on decentralized and efficient urban services delivery, held in Cairo, Egypt.

Improvements in Energy and Industry

In Thailand, TSSC coordinated efforts to develop a tax credit program to promote renewable energy and energy efficiency investments. In the Philippines, TSSC continued its technical assistance to various industry associations, reviewing their environmental management plans/systems for compliance with the Philippine Environment Partnership Program (PEPP) Guidelines.

Improved Environmental Governance

TSSC is assisting US-AEP's efforts to improve environmental governance throughout the region through a variety of projects. In Thailand, TSSC is working to strengthen community-based environmental management for the ThaChin River Basin, including developing a citizens strategy for environmental management and collaborating with other groups to organize eight workshops to share information. In addition, TSSC supported training to improve the capacity of ThaChin citizens' groups to raise funds. In order to strengthen municipal management and citizen participation in three Thai cities, TSSC developed a work plan for the ICMA City Links program. TSSC in the Philippines provided technical assistance to the National Water Resource Board on the most effective governance structure for managing the region's water resources. In Sri Lanka, TSSC provided guidance to the Western Province Waste Management Authority to help draft a statute for effective waste management.

Communications

In this Quarter, the TSSC completed several communications initiatives that were under development. The complete redesign of the US-AEP Website was finalized and announcements were delivered to all interested parties. Other communication mechanisms were also redesigned and enhanced, including the US-AEP *At-A-Glance*. Various background pieces were drafted, as well as press releases to promote activities in Vietnam.

Also during this Quarter, an editorial meeting with key USAID staff for Telling Our Stories (TOS) and Frontlines was organized, and a tracking database for story development and submissions was created. A total of five success stories were drafted and submitted to the USAID to contribute to the TOS initiative in this quarter.

Finally, the Communications Team worked to comply with new USAID branding standards including analyzing the guidelines to determine which aspects would be applicable to the US-AEP program, redeveloping standard artwork (like business cards) and working with various partners and interested parties to convey direction about the use of the new USAID brand.

Other Operations Support

In addition to managing 26 existing, active grants and STTA contracts, the TSSC awarded 24 new grants and STTA contracts during the quarter.

REGIONAL ACTIVITIES

Regional Activities

In close collaboration with the US-AEP Regional Coordinator, TSSC finalized a work plan for the Regional Lessons Learned Activity in January. This activity aims to document lessons learned from US-AEP implementation during FY2001-2005 to fulfill SO close-out requirements, guide future US-AEP efforts, especially strategy beyond FY2005, and inform similar international activities conducted by others.

The activity is planned to progress in three phases:

- Review of existing program documentation and interviews of US-AEP staff and implementing and select local partners;
- Information Analysis/Identification of Draft Lessons Learned,
- Consensus Building and Formalization of Lessons Learned at a proposed regional meeting in July 2005.

During January-March, TSSC staff solicited program documentation from all Country Managers and Implementing Partners, conducted preliminary interviews in Thailand and India among US-AEP staff, implementing partners and local partners, and drafted a more formal questionnaire for use in future interviews. Once the questionnaire is approved by the Regional Coordinator, interviews will begin in earnest in April.

To assist the Regional Development Mission/Asia in developing its response to the December 26, 2004 tsunami, TSSC regional staff helped draft a concept paper outlining areas in which the US-AEP program might provide assistance in tsunami relief efforts. The concept paper was used by USAID staff in meetings with Thai government officials as the basis for discussions concerning areas in Thailand where USAID might provide assistance.

Also related to tsunami relief efforts, TSSC regional staff provided support to US-AEP and the U.S. & Foreign Commercial Service (US&FCS) efforts to facilitate the donation of a large drinking water purification system to serve 250 Thai families whose water system was impacted by the tsunami. In February, TSSC staff and volunteer Thai experts conducted a joint assessment in consultation with local Thai authorities to select an appropriate site for the equipment in Phang Nga Province. Since that time, Parkson Corporation, a US based supplier of water and wastewater systems, has been working to fabricate and prepare the \$300,000 system for shipment. TSSC staff also gained approval for placement of a US Peace Corps Crisis Corps volunteer at the site to coordinate installation and operator training. In addition, TSSC has been working to ensure that sufficient local resources are mobilized to facilitate equipment installation and operation. This work is currently progressing in cooperation with Parkson staff, the appointed Crisis Corps volunteer, a local Thai engineering firm, and the local Tambon Administration Office in Phang Nga that will operate the system.

The TSSC regional staff assisted US-AEP in complying with USAID requirements for reporting on activities associated with Global Climate Change, collecting information from all six US-AEP countries about their activities related to GCC and compiling the information for consolidated reporting to USAID. TSSC staff also initiated information collection on Office of Presidential Initiatives (OPIN) reporting on water activities for reporting in early April.

INDIA**Improving Air Quality*****Delhi Metro Authority***

TSSC researched the likely greenhouse gas (GHG) emission reductions that have been realized from a specific strategy used by the Delhi Metro Rail Corporation (DMRC) in the construction of Phase 1 of the new Delhi Metro. The strategy involves the substitution of fly ash (a waste product from coal fired power plants) for a portion of the traditional cement used in the concrete required for the Metro. TSSC drafted a report presenting the analysis and its results for review by DMRC staff and will finalize it based upon their comments. The document's calculation of the resulting GHG reductions will allow DMRC to accurately take credit for the implementation of this strategy and will serve as a useful resource for others in India and elsewhere that may be interested in implementing the fly ash substitution strategy.

Improving Water Quality***Delhi Jal Board***

TSSC arranged a presentation of study findings on wastewater recycle and reuse to the Director (Operations), National Thermal Power Corporation (NTPC), at Delhi Jal Board's (DJB) sewage treatment plant. Findings showed that a sufficient quantity of recycled water for use in cooling towers could be available to NTPC at its Badarpur plant. It was recommended that NTPC switch to a multi-pass mode to reduce water consumption in the cooling towers. Director Chandan Roy agreed with the recommendations and said the option of switching to a multi-pass mode was already being evaluated by NTPC. It was agreed that further discussions be held with the Ministry of Power which owns the Badarpur plant.

TSSC facilitated a meeting to share the results of the findings with DJB Board CEO Ashish Kundra and representatives from the Okhla Treatment Plant. US-AEP made the following recommendations:

- adapt the model of decentralized wastewater treatment,
- implement a pilot demonstration study for a Membrane based Bioreactor.
- obtain consensus on required water quality in dialogue with the user industries to establish financial viability of the project.

The following Action Points were agreed upon:

- DJB will sponsor a workshop to discuss the points outlined above and invite the President of India since DJB supplies water for the Presidential estate.
- DJB will explore funding options from CIDA.
- DJB will initiate dialogue to hold a round-table with treated water users, including Delhi State Industrial Development Corporation & National Thermal Power Corporation.
- USAEP / USAID to explore options for providing technical assistance inputs to DJB on floating tenders for the design of treatment plants.

Improving Waste Management

During the second quarter of FY 2005, the TSSC Urban Environmental Infrastructure Advisor (UEIA) continued his work to support modernization of solid waste management practices throughout India. The UEIA conducted analyses and drafted Solid Waste Management (SWM) program reports for a

number of cities, including the City of Agra, the City of Shimla, the City of Gorakhpur, and the City of Imphal. In addition, the UEIA developed SWM program reports for 17 Class-1 cities in Gujarat, 17 other Class-1 cities in Gujarat, and 12 towns within the Ahmedabad Urban Development Authority. These SWM program reports provide recommendations for improving SWM services and for implementing the requirements of India's Municipal Solid Waste Rules 2000. The UEIA also prepared a strategy for a SWM project in Gwalior City.

In addition to drafting the SWM program reports, the UEIA also conducted a workshop for officials of the Gujarat Municipal Finance Board and the City Managers' Association. The purpose of the workshop was to assist officials in implementing SWM rules. The UEIA also provided technical assistance to State of Gujarat officials concerning the funds required for implementation of solid waste rules and provision of adequate infrastructure for water supply and sewerage in urban areas, as well as advising on how to involve the private sector. The UEIA also conducted a workshop on SWM for the Madhya Pradesh Chamber of Commerce. In addition, he conducted a stakeholders workshop and a workshop for municipal officials in Imphal, as well as conducting a field visit of the city's SW processing facility. The UEIA also conducted a workshop at the end of the quarter to finalize recommendations on the modernizing of SWM practices in the City of Gorakhpur. Finally, the UEIA was invited to address a regional workshop in Mumbai on SWM in five Indian states, co-sponsored by US-AEP.

At the invitation of USAID, the UEIA traveled to Egypt in January to participate in a USAID organized international workshop on decentralized and efficient urban services delivery.

Improving Environmental Governance

TSSC participated in panel discussions at a workshop organized by the Office of Economic Growth, USAID Delhi on Financing Models for Urban Infrastructure Development. There is consensus for an Infrastructure Project Development Fund for India and a dedicated Agency to implement the financing structures.

TSSC provided technical support to the TSSC grantee Centre for Environment Education (CEE). TSSC met with the directors of CEE's central India cell and the Chief Transport Officer, Pune Municipal Corporation (PMC), regarding activities, deliverables and budgets. As a result, grant proposals were finalized, submitted and approved.

TSSC participated in a workshop organized by the All India Institute of Local Self Government, at Mumbai, under the Watergy Program, funded by USAEP. The Chief Minister of Maharashtra unveiled the Roadmap for Energy Efficiency in Urban Local Bodies in the State of Maharashtra program to create awareness on the importance of Watergy, undertake water and energy audit capacity building programs and facilitate implementation of these projects. The partners in this activity include Urban Development Department & Water Sanitation Department of Government of Maharashtra, All India Institute of Local Self Government, Maharashtra Energy Development Agency, Alliance to Save Energy, and FIRE – D.

Administration

TSSC provided administrative guidance to the following grantees : The Energy & Resources Institute, United States Environment Resources Center, City Manager's Association Gujarat and Maharashtra Energy Development Agency.

INDONESIA**Improving Air Quality**

Blood Lead Level Testing

TSSC provided administrative support to Darmadi Goenarso, recipient of the Quick Response Grant for blood lead level testing of schoolchildren in Bandung, reviewing the Work Plan and strategy and initial invoice. TSSC also communicated with Darmadi, the US-AEP Country Manager (CM), the Joint Committee for Leaded Gasoline Phase-Out (KPBB), and Puji Lestari from the Institute of Technology Bandung to coordinate the study implementation, making sure that a similar study to be conducted by Puji will not overlap with Darmadi's.

Exposure to Particulate Matter and Carbon Monoxide

TSSC provided support and guidance for the personal monitoring exposure project (PEM), including planning the activity with the CM, the University of Indonesia (UI), a vehicle emission/health impact expert from UC Berkeley (UCB) and a air quality monitoring specialist from UC Los Angeles (UCLA). Planning included equipment operations and maintenance (O&M), selection criteria, costs, and procurement (vendor information, testing, delivery time and destination). The two experts will participate in the PEM project as STTA consultants to conduct training on equipment O&M, assist with data management and analysis, and monitor/evaluate implementation.

TSSC also coordinated with PEM partners UI and Swisscontact (SC) to coordinate planning, confirm the equipment selection and review the sampling plan proposed by UI. All parties agreed on the equipment selection, and SC agreed to begin translating the equipment operating procedures into Bahasa Indonesia as part of the outreach effort. All parties also concurred on the sampling plan; UI will continue to communicate with the UCB and UCLA to further define the plan.

TSSC supplied additional follow up to finalize the SC grant agreements and streamline the equipment procurement process. TSSC supported the two STTA experts who arrived March 21 to launch the PEM project, including assisting with equipment set-up and testing, and the training of UI students on equipment usage, operation and maintenance, and data download/management, field preparation. TSSC assisted with the agenda preparation, coordinating training events, presentations to the Governor of Jakarta, Ministries of Environment and Communication/Land Transport, and translations during the press conference. In addition, TSSC reviewed the UI TSSC grant proposal and provided feedback on research design, following discussions with experts and SC.

Lead Information Center (LIC)

TSSC coordinated with KPBB Director, Ahmad Safrudin, to learn more about LIC's operations, activities and progress to date, including the selection of 4-5 individuals to participate in a US study on community outreach. The Director noted that individuals who will participate in the study tour will assist with the preparation and design of the National Women/Mothers' Forum Against Lead in August 2005. The director also conveyed that KPBB will prepare a draft proposal for UNEP and requested that US-AEP provide feedback during the proposal preparation process.

Improving Water Quality

In the process of preparing possible proposals in the water sector, TSSC reviewed past documents of the water/wastewater sector work in Indonesia and consulted with the following to develop work plan programs:

- James Woodcock (former USAID/US-AEP water specialist) to discuss past US-AEP efforts and possible future activities in the water sector and to obtain information on important partners and contact persons
- Purwoko Hadi (PERPAMSI/YPTD, water utility association and its training department) to identify possible activities that US-AEP can support; Purwoko noted the need to focus on the certification and training of operators based on competency
- Foort Bustran (advisor for USAID-ESP and formerly for PERPAMSI) to discuss overall water utility improvement activities and past rerating activities to determine two potential water utilities (for the QRG water utility rerating project)

Upgrading skills in water utility operations

In order to initiate and identify demand for water/wastewater sector activities, TSSC continued to work with various stakeholders such as PERPAMSI (Indonesian Water Supply Enterprises), YPTD (Training and Education Foundation of PERPAMSI), IATPI (Indonesian Society of Sanitary and Environmental Engineers), FORKAMI (Indonesian Communication Forum on Drinking Water Quality Management), The World Bank's Water and Sanitation Program (WSP), GTZ, and USAID-Environmental Services Project (ESP). TSSC met with and discussed the following:

- Purwoko Hadi (YPTD-PERPAMSI): certification and training of operators based on competency, following up on past US-AEP support for the certification and training of managers; after discussions, YPTD submitted a proposal for operator certification and training.
- Sukmayeni, Eddy Akhirwan, Werner Brenner (PERPAMSI): (1) monitoring and evaluation of established Drinking Water Zones in three cities, training based on monitoring results, and formation of a national certification body for drinking water zones establishment, (2) further training of operators in follow-up to the past USAID/US-AEP efforts under the Treatment Operators/Managers Certification and Training (TOMCAT) program, and (3) refinement and implementation of modules/training on strengthening water enterprise relations with stakeholders (government, legislators, consumers).
- Rudi Yuwono (IATPI): distance learning for wastewater treatment operators using CD-ROMs and assistance from Water Environment Federation expert on developing the learning methods. TSSC provided input to the proposal.
- Job Soepangkat (FORKAMI): public campaign to support community/user involvement in testing piped water quality and/or waterways in and around Jakarta.
- Foort Bustran, Agus, Ahmad Rosyid (USAID-ESP): continued discussions on past rerating activity to determine strengths and issues and to coordinate future ESP programs with US-AEP work
- Helmut Krist (GTZ): discussed current GTZ water programs, such as the collaboration with PERPAMSI for the set-up of a Water Advisory Services Center (WASC) whereby PERPAMSI will play the leading role as the knowledge bank for all water/wastewater related services and information. Future US-AEP efforts to support capacity building of PDAM operators and managers may be coordinated in partnership with the WASC establishment initiatives.
- Russell Abrams, Lina Damayanti (WSP): discussed possible collaboration on disseminating the outcome from PERPAMSI's efforts to improve relations among water enterprises, policymakers, legislators, and users.

Rerating Water Treatment Plant Capacity to Increase Water Output

TSSC worked with PERPAMSI to identify real demand from water utilities (PDAMs) for the QRG activity on rerating. Five PDAMs were initially identified according to the criteria provided (e.g. minimum flow rate/capacity, staff qualifications, etc) by the QRG Grantee (Terry Driscoll): Denpasar, Samarinda, Sidoarjo, Padang and Palembang. Of the five, two will be selected in which one would ideally be located in the USAID-ESP location. Additionally, TSSC and PERPAMSI discussed using

operators previously trained through USAID/US-AEP's WETTER program to conduct training in the two sites with supervision and quality control by the QRG expert. This approach will build a stronger sense of ownership among the local experts and beneficiaries, and generate transfer of knowledge from local PDAM staff experienced in rerating. TSSC is working with the QRG grantee to modify the proposal to reflect the new approach.

Improving Environmental Governance

TSSC and representatives from Pelangi, GTZ (ProLH), and the private sector participated in a USAID meeting introducing USAID's Development Credit Authority (DCA) program. The DCA program aims to mobilize under-utilized local capital to advance USAID development goals and to ease access to credit by private sector lenders.

Administration

Arie Istandar, the new TSSC Country Program Coordinator, began work in February, initially focusing on TSSC administration and operations, meetings with US-AEP partners, and close coordination with the US-AEP CM.

In coordination with the TSSC Regional Coordinator, TSSC assisted the CM to complete a success story on nationwide leaded fuel phase-out for the USAID "Telling Our Stories" Web site and to finalize the US-AEP achievements brief for the "Accomplishments" section in the newly updated US-AEP Web site.

In addition, TSSC worked with TSSC Bangkok to complete the workshop report on the topic of public awareness campaigns for improving air quality. TSSC is also gathering pertinent documents for the Lessons Learned activity

PHILIPPINES**Improving Air Quality*****Clean Air Program for Local Government Units***

US-AEP, through a grant from the International City/County Management Association, is supporting the establishment of the League of Cities of the Philippines (LCP) Environmental Unit (E/U). The Environmental Unit is envisioned to help strengthen the environmental enforcement capability of member-cities.

TSSC met with the League of Cities (LCP) to fine-tune the schedule of activities for the International County/Cities Management Association (ICMA) grant. A draft memorandum of agreement was sent for review and comment to the Florida League of Cities (FLC), which agreed to act as a mentor association to the LCP. The signing of a Memorandum of Understanding between the LCP and the FLC has been scheduled to coincide with the next Board meeting of the LCP. FLC delegates will provide training to the LCP beginning April 2005.

TSSC has initiated discussions to explore the possibility of replicating the successful Puerto Princesa City Clean Air Program (CAP) as a pilot activity of the E/U. TSSC also discussed with LCP sharing the results of the CAP with select local government units (LGUs) that have significant environmental management plans and that have shown interest in adopting the program.

TSSC facilitated a study tour to Puerto Princessa City for Mayor Sarmiento and the environmental officer of Calbayog City, Samar and officials of Mandaue City, Cebu, who have expressed interest in replicating the Puerto Princessa program. The LCP endorsed the two cities and cited them for their strong leadership, exemplary performance and participation in several LCP programs. Mandaue City Administrator Serafin Blanco committed his city to a similar program focusing on tricycles and motorcycles. Mayor Sarmiento also signified his interest in developing a program for his city.

TSSC has been invited to participate in a Technical Working Committee organized by USAID's Energy and Clean Air Program (ECAP). TSSC shared lessons from the Puerto Princessa City CAP and discussed the process of getting the involvement and participation of the stakeholders to support program implementation. ECAP may continue the assistance to cities, in coordination with LCP, to develop and implement programs to reduce air pollution.

Raising Public Awareness on Air Pollution

TSSC provided guidance to Tagbalay Foundation, Inc. in developing an implementation plan for the Puerto Princessa City CAP Public Awareness Campaign at the city level. The campaign is expected to increase awareness on the health effects of air pollution using radio, television, and print media, and the integration of air management issues into elementary and high school science curricula. The campaign efforts include establishing a 24-hour tricycle hotline system in Puerto Princessa City through which public complaints regarding tricycle-related activities can be reported.

TSSC also provided assistance to the Environmental Broadcaster Circle (EBC) in identifying activities to develop national tri-media campaign materials on the health effects of air pollution. A Quick Response Grant (QRG) to EBC has been approved for the conduct of a pre-campaign survey to establish baseline awareness level, the development/production of materials, and a post-campaign survey to measure the effectiveness of the campaign. Media materials will be housed in the League of Cities of the Philippines office.

Updating Emission Standards for Motorcycles

TSSC worked with officials from the Environmental Management Bureau (EMB) regarding their request for technical assistance and funding support to establish standards for white smoke emission and revision of existing standards for hydrocarbons and carbon monoxide from motorcycles. TSSC worked closely with the University of the Philippines National Center for Transport Studies (NCTS) to develop a proposal to assist EMB. The TSSC has also prepared the Scope of Work for a local air quality management STTA expert who will provide technical advice and develop a mathematical model for available emissions data to be gathered during pre- and post-maintenance surveys.

San Fernando City Preventive Maintenance Workshop

TSSC planned and coordinated a 4-module tricycle preventive maintenance workshop in San Fernando City, La Union with the cooperation of the Motorcycle Developers Program Participants Association. The workshop is a replication of the successful training held in Puerto Princesa last year. It aims to train 60 tricycle drivers and operators on proper preventive maintenance procedures and maintenance scheduling to reduce emissions. TSSC assisted MDPPA in designing the workshop module based on the distribution of 4- and 2-stroke motorcycles, pre- and post-maintenance surveys.

During the first training module, TSSC provided technical assistance in the pre- and post-maintenance emission testing, data gathering and analysis. The data generated were inputted in a database that will be provided to the STTA consultant, that is developing the mathematical model.

Improving Waste Management

Certificate Course on Hazardous Waste Management

TSSC coordinated the participation of thirty-two participants from the Environmental Management Bureau, the Bureau of Fire Protection, and industry associations to the 2nd module of the Certificate Course on Hazardous Waste Management at the University of the Philippines (UP). The module aims to develop the capacity of the participants to address incidents and accidents due to chemicals and hazardous wastes. Certified hazardous materials managers from the previous course module were tapped as resource persons for this second module.

Guidelines on Cement Kiln Co-Processing

TSSC provided technical support to the EMB's Technical Working Group (TWG) to develop guidelines on the use of cement kilns for the co-processing of wastes as alternative fuel and raw material. While the US-AEP is providing technical assistance to the EMB on the issuance of the regulations, GTZ's resources will help the cement industry comply with these regulations.

The UPChEAF has submitted a proposal for a Quick Response Grant for capacity building activities to implement the guidelines, perform inspection and enforce the regulations. TSSC is currently reviewing the proposal.

Development of the Philippine Chemical and Hazardous Wastes Management Program

TSSC participated in several meetings of the multi-agency Technical Working Group (TWG) that was established to develop the Chemical and Hazardous Wastes Emergency Management Program (CHWEMP). The TWG modified its membership, as a result of the experiences and knowledge it gained from a US-AEP-sponsored study tour to the US in October 2004, to include other government agencies not initially part of the TWG. The TWG also agreed to update its work plan to reflect the achievements of the US-AEP sponsored training courses, exchanges and study tours.

TSSC has initiated discussions with a local expert to help the TWG formulate the policy framework of the Chemical and Hazardous Waste Emergency Response Program (CHWERP), identify and recommend the implementation strategies and develop the CHWERP Manual of Procedures. TSSC is

coordinating this STTA with previous and ongoing technical assistance being provided by Stan Szymanski. TSSC also conducted initial discussions with the Philippine Environmental Practitioners Association (EPA) to pilot-test the CHWERP in two regions and explored the possibility of collaborating with the Bureau of Fire Protection to train Hazardous Materials (HazMat) workers, responders and other support personnel on the use of the chemical emergency response and NIOSH chemicals guidebooks.

The Philippine Bureau of Fire Protection (BFP) presented a plaque of appreciation to US-AEP and to USAID to recognize their technical assistance and continuous support to the development of the Philippine Chemical and Hazardous Wastes Emergency Management Program. US-AEP supported BFP to strengthen their capacity to respond to incidents and accidents caused by chemicals and hazardous wastes.

Improving Environmental Governance

Regional Water Council in Region VII

TSSC provided technical assistance to the National Water Resource Board (NWRB), following a Resolution to study decentralizing NWRP through the creation of Regional Councils. TSSC provided scopes of work for a STTA consultant and a grantee institution to help develop the appropriate governance structure to manage a region's water resources, according to the provisions of the Clean Water Act. The TSSC also participated in regional public consultations on the Implementing Rules and Regulations of the CWA to learn about stakeholder issues within Region VII.

TSSC also explored awarding a grant to the Philippine Water Partnership to support NWRB stakeholder consultations and capacity building activities. It conducted several discussions with the NWRB Executive Director to determine the nature and extent of participation of TSSC's urban water expert Tony Kolb in TSSC's technical assistance to the NWRB.

Implementing Rules and Regulations for the Clean Water Act

TSSC conducted several discussions with the non-government organization (NGO) Tanggol Kalikasan, regarding the publication of Clean Water Act (CWA) primers for local governments. The primers will provide Local Government Units (LGUs) with easy-to-understand guidelines on their role in the implementation of the CWA. TSSC has engaged a consultant (STTA) to develop these primers who has subsequently prepared an outline for TSSC review and comment.

Greening the Judiciary

TSSC discussed with The Philippine Judicial Academy (PHILJA) and The Asia Foundation (TAF) the development of interactive training modules and the design of simulated negotiation exercises for the judiciary to complement the environmental law offerings of PHILJA. An agreement was reached to pilot the interactive modules and exercises at a PHILJA seminar for judges and prosecutors from the Sierra Madre region. TSSC and TAF worked with PHILJA and its partners to determine a schedule of deliverables for the production and publication of the proposed modules and negotiation exercises. TSSC prepared a draft STTA scope of work to facilitate immediate implementation of the activity.

TSSC participated in the Judicial Roundtable on Environmental Dispute Resolution on February 18, 2005 at the PHILJA. The roundtable was initiated by US-AEP to prepare for an upcoming environmental exchange in which Thai and Philippine judges will learn more about Australia's environmental court, how its lessons may be applied in their respective countries, and deliberate further on strategies for establishing an environmental court in the Philippines.

Improving Energy Efficiency

TSSC met with the Environmental Management Bureau to discuss the formal turnover of the Philippine Environmental Partnership Program (PEPP) Guidelines from the Management Association of the Philippines. Turnover ceremonies on February 21, 2005 included a half-day seminar for Environmental Consent Agreement (ECONA) signatories on the Final PEPP Guidelines. TSSC presented on behalf of US-AEP and USAID.

TSSC reviewed the environmental management plans/systems (EMP-EMS) manuals of several pilot stores including fast-food giant Jollibee and its sister chains Chowking and Greenwich, in advance of their submissions to the DENR. TSSC also continued its technical assistance to the Quick Service Restaurants Management Link, the Paint Manufacturers Association of the Philippines (PAPM) and CropLife, along with their respective member associations. TSSC provided technical assistance to Pacific-Boysen, Rohm and Haas, Globesco, Delifrance, KFC store managers and Add Research.

Administration

TSSC drafted bi-weekly program bullets for USAID throughout the period highlighting significant program activities.

TSSC drafted a concept paper for the proposed “Lessons Learned Conference” a culminating activity of the US-AEP, and submitted the paper to the Country Program Manager. A partners meeting has been scheduled to brainstorm on the format and the program of activities of the conference.

All Louis Berger Group (LBG) employees, including all TSSC staff, participated in the Quality Assurance training in January.

TSSC hosted and facilitated the US-AEP Partners’ Meeting on February 24. Following the meeting, TSSC updated the US-AEP Work plan Timeline for the CPM.

TSSC drafted a one-page brief on the Greening the Supply Chain manual by the Philippine Business for Social Progress and a one-page success story on the launching of the PEPP Procedural and Reference Manual.

TSSC attended and participated in the Preliminary Assessment and Field Testing of Draft Guidelines to assess the National Health Capacity to Manage Health Risks of Deliberate Use of Biological and Chemical Agents organized by the World Health Organization (WHO) and the Philippine Department of Health (DOH) (February 7-8, 2005).

TSSC participated in the Philippine Institute of Chemical Engineers (PIChE) Convention in Iloilo City February 11-12, 2005. As a follow-on activity, TSSC met with the officials of the PIChE to discuss training and capacity building modules in relation to the Philippine Chemical and Hazardous Wastes Emergency Management Program (CHWEMP).

TSSC completed the identification, selection and hiring process of an environmental specialist, Conchita M. Ragragio, to serve as Country Program Coordinator to assist in the implementation of US-AEP activities.

SRI LANKA

Improving Air Quality

First National Symposium on Air Resources Management in Sri Lanka

TSSC reviewed the symposium report and invoices to complete this TSSC grant to Clean Air Sri Lanka for the national symposium on air resources management. This symposium is the first national level symposium of leading scientists and researchers in the field of air quality management who discussed and shared experiences and suggested actions to minimize negative health, economic and social impacts due to emissions from mobile and industrial sources, indoor air pollution etc.

Mitigating Pollutants and GHG emissions at Colombo Dump

TSSC, through multiple-stakeholder engagement, developed a road map to reduce pollutants and Greenhouse Gas Emissions (GHG) at the Colombo city dumpsite and to generate renewable energy as a waste management strategy. During the last quarter, TSSC worked with the city government, dumpsite owner, World Bank and USAID to evaluate the road map and develop follow on activities. TSSC provided technical advice for extraction of methane gas and possible electricity generation. As part of the implementation effort, TSSC will support the Central Environmental Authority to do sampling and testing of air pollution and water pollution criteria. This roadmap is a potential model for other dumps around Sri Lanka.

TSSC also coordinated and hosted a meeting of various stakeholder organizations to prepare a draft Project Note to be submitted to the World Bank and other carbon offset purchasers to seek buyers for these GHG reductions. Representatives of Environmental Management Lanka, the University of Peradeniya, Ministry of Science and Technology, Central Environmental Authority, Waste Management Authority of Western Province, and the Ministry of Power and Energy participated in this meeting.

Noise Pollution Mapping Project at Dehiwala-Mount Lavinia Municipal Council Area

TSSC provided oversight for this project to prepare a noise-zoning map showing noise levels of areas with different land use patterns in order to better understand the urban sources of ambient noise. TSSC met with the grantee Central Environmental Authority and reported implementation progress of the Noise Mapping Project at Dehiwala- Mount Lavinia Municipal Area to the Country Manager. Monitoring of day, evening and nighttime noise is underway.

Improving Water Quality

Soil Erosion Control System Using Coir Products

TSSC, working with USAID, helped to develop a partnership among TSSC grantee Ecoprotect Engineering (Pvt) Ltd. of Sri Lanka, Coco Technologies Corporation of the Philippines, Coir Council International of Sri Lanka and the University of Moratuwa to test and promote coir products for soil erosion control systems. This is the first attempt to introduce coir geo textiles in Sri Lanka for this purpose, although the country manufactures and sells these products in overseas markets. TSSC provided input to the grant proposal to facilitate this activity to help strengthen surface water pollution strategies in Sri Lanka. TSSC visited the Erosion Control Exhibition site at Kurundugahahettapma, Baddegama and reported the progress of the project to the country manager. Laying of Coir fiber nets and Coir Fascines (Biologs), and the planting of grasses has been completed on a 1300 square mile area of earth slope.

Hotel Wastewater Treatment

Hotel waste water systems have been badly damaged by the December tsunami. Responding to the Country Manager's request, TSSC provided cost estimates for different scales of a waste water treatment systems, including screening, degreasing, activated sludge (aeration, settling and sludge recycling), chlorination, and de-chlorination.

Wastewater Treatment Technologies for Service Stations

TSSC guided the launch of the Quick Response Grant to Industrial Services Bureau (ISB) for verification of environmental technologies and processes for wastewater treatment technologies for vehicle service stations. TSSC, working with the Minnesota Trade Office, provided coordination and advisory support to obtain quotations from U.S based companies to purchase/lease Oil Water Separators to treat effluent from vehicle service stations.

Improving Waste Management

Colombo Compost Plant

TSSC inspected lab equipment and compost quality at the Colombo Compost Plant at Sedawatta. USAID supplied lab equipment through the Colombo Municipal Council to measure/check nitrogen and potassium, Ph, organic carbon, and oxygen levels, and temperature of the compost to ensure the production of good quality compost to achieve price objectives and customer requirements.

Improving Environmental Governance

Improving Delivery of Urban Environmental Services in the Kotte Municipal Council Area

Work has begun under the TSSC grant to Environment & Management Lanka Ltd to improve delivery of urban environmental services in the Kotte Municipal Council area

Enhancement of the Legal Framework of the Western Province Waste Management Authority

TSSC provided guidance to the Western Province Waste Management Authority to develop short-term technical assistance request for help drafting a new statute that will strengthen the legal framework for efficient and effective management of waste in the Western Province. TSSC organized and hosted a meeting with directors of the Authority to discuss the need for assistance. Six local consultants and one international expert will collaborate to produce the statute, draft implementing rules and identify best practices on solid waste management. TSSC developed and prepared a scope of work for each of the consultants providing short-term technical assistance.

Administration

Midwest-Sri Lanka Environmental Alliance Project

Under the CSG sponsored Midwest-Sri Lanka Environmental Alliance project, the International Trade Representative, State of Minnesota and the Senior Vice President, HDR Engineering visited Sri Lanka in February to prepare for the planned trade and technology delegation visit April 4-8, 2005. TSSC accompanied the visitors to see the tsunami devastation in the coastal belt and the potable water display site for tsunami victims at Koggala. The mission met and had discussions with key representatives of business, government, trade and architecture groups and ministries. TSSC provided logistical and coordination support for the visit and upcoming delegation in April. The forum is designed for Sri Lankan Business leaders, planners and potential partners to meet and discuss environmental technologies, best practices and business opportunities with American companies and experts.

THAILAND**Improving Air Quality*****Developing Integrated Emission Strategies for Existing Land Transport (DIESEL) for Bangkok***

TSSC scheduled a series of meetings and worked directly with several partners of the DIESEL program to isolate specific issues facing the vehicle procurement aspect of the DIESEL program. The partners, representatives from USAID, PADCO, the World Bank, and a STTA consultant were able to clarify the issues from different perspectives and together help identify areas for improvement and possible solutions, particularly the efficiency of vehicle testing.

Improving Environmental Governance***ThaChin Project to Strengthen Community-based Environmental Management***

TSSC secured the commitment of the Head of the Environmental Science Department from Silapakorn University to assume a lead role in the ThaChin Technical Network. She agreed to: provide expertise on river pollution and conduct the scientific research; send the professors and the university students to train the volunteer water quality monitors; and provide the laboratory to test and measure the pollutants in the water, air, and soil.

TSSC guided the development of several activities for the Thachin community groups which enhanced their standing as an independent NGO, increased their ability to fundraise, and develop a citizens strategy for environmental management. TSSC developed and finalized a fundraising course for the We Love Thachin Clubs through a TSSC grant to the non-profit Venture for Fund Raising that provides fund raising courses to non profit organizations in Asia. The TSSC worked closely with the clubs and the Regional Environmental Office 5 to identify the fundraising skills needed by club members. TSSC also worked with Venture to develop the grant proposal, agenda for the course, logistics and project budget.

TSSC collaborated with the Mahidol University and the CivicNet Group (a Thai NGO) to organize eight workshops in order to facilitate collaboration among several groups of stakeholders in the ThaChin River Basin. This workshop was intended to encourage the government officials to create activities in which they could work effectively as a basin-wide team to tackle problems associated with the water pollution in the ThaChin River Basin.

TSSC developed the concept for the agriculture and organic farms pilot projects and worked with Khun Suwan of REO 5 to refine the projects. The projects will incorporate several partners ranging REO 5, Silapakorn University, Pollution Control Department (PCD), DEDE, Swine Farmers Association, and the We Love Thachin Clubs (local community-based NGOs). The projects will work with the local schools and farms to gather data about their swine waste management/ pesticide and fertilizer use in the farms along the Basin. Several farms will be selected to alter their agriculture habits to improve swine waste management and organic practices. The farmers who participate in the initial project will then serve as trainers to other farmers in the area to teach them how to improve their farming practices.

The TSSC staff provided the technical support for Dave Nemazie, of the University of Maryland Center for Environmental Studies to travel to Thailand for the week of March 21 – 28, 2005 which included developing the itinerary for meetings between the local partners. TSSC worked with Dave Nemazie to advance the goals of the project through the following activities in accordance with the work plan for Thachin River project including:

- Advancing the efforts of the partners to develop the water quality monitoring program, including selecting participants and working with the partners to identify the training needs.
- The TSSC staff met with Governance Study Tour delegates and REO 5 to prepare the delegates and finalize plans for the Study Tour in April.

Enhanced Municipal Manager Training Project

TSSC joined city mayors, city councilors and local researchers in a workshop to increase public participation, leading to a national citizen's survey addressing environmental issues. The survey will be adaptable by local municipalities and designed to target specific environmental challenges. Some of the participants will join a study tour to the National Research Center in Boulder, Colorado to learn how to develop a national survey. One goal of the citizen's surveys is to enlighten municipal managers on the needs of citizens, enabling them to make more informed decisions.

CityLinks Partnership to Improve Municipal Environmental Management in Thailand

US-AEP and ICMA have helped facilitate a long-term partnership between Portland and the Thai cities of Chiang Mai, Phuket, and Khon Kaen focusing on strengthening municipal management, improving public service delivery, and encouraging democratic participation by their citizens. The three cities will host a best practices symposium in August. TSSC provided guidance to the symposium planning committee, including developing the work plan, and worked with ICMA to finalize their Quick Response Grant proposal to create a train the trainer's workshop on citizen participation. In addition, TSSC provided logistical and administrative support to all partners during the planning process.

Improving Energy Efficiency

Oregon Department of Energy and DEDE

TSSC coordinated between the State of Oregon Department of Energy, KIAAsia, and the DEDE to develop the plan for a tax credit program initiative in Thailand. The purpose of this activity is to promote renewable energy and energy efficiency investments in Thailand through financial policy incentives through a partnership between the State of Oregon and Thailand.

VIETNAM**Improving Air Quality**

TSSC continued to support the Clean Air Initiative for Asian Cities (CAI-Asia), the regional partnership among Asian cities to promote innovative means to improve air quality. From January 31 to February 4, 2005 TSSC helped to coordinate and assist the Asian Development Bank (ADB), CAI-Asia, and Health Effects Institute (HEI) in a formal fact finding mission to Ho Chi Minh City (HCMC) for a project on Air Pollution, Poverty, and Health (APPH). The purpose of the mission was to meet with relevant agencies and organizations to discuss the project framework, study approaches and possible collaborators for the project. The mission provided CAI-Asia information on the relationship and linkages between air pollution and poverty in HCMC as well as an opportunity to identify the appropriate methods to study the linkages between air pollution and poverty in other Asian cities. TSSC also provided input for planning of the second phase of CAI-Asia.

Euro standards in new vehicles and fuel to improve air quality in Vietnam

US-AEP is collaborating with Vietnam Register (VR) and other partners to develop a roadmap for the Government of Vietnam towards achieving more stringent Euro standards in new vehicles and fuels to reduce vehicle emissions. TSSC sponsored a speaker local speakers from Ho Chi Minh City, air quality management expert Mike Walsh (STTA consultant), who shared international best practices and the EURO vehicle and fuel standards. Walsh also led a task group to interview stakeholders in the vehicle and oil industries to determine their readiness to accept tightened standards, and to produce an analysis of barriers, cost, and other factors that would impact Vietnam's adoption of EURO standards.

TSSC and Walsh worked with VR and the Technical and Scientific Consultant and Service Centre to review their draft report which concluded that Vietnam is capable of moving directly to EURO 4 standards by 2010, and made recommendations for strengthening the report.

TSSC also supported Vietnam Standards Center (VSC) to prepare fuel and diesel quality specifications with another STTA expert Sandrine Dixon-Decleve. The consultant drafted an Explanatory Memorandum to provide VSC with technical analysis to ensure the tightened fuel standards are accepted. VSC shared the findings at a workshop of stakeholders in March, encouraging dialog on the draft fuel standards and timeframe for moving to more stringent standards.

TSSC also arranged round table discussions in March, as part of TSSC's coordinating role in the World Bank Hanoi Air Quality Management project. A key outcome of the discussions is a possible workshop on Exposure Assessment organized by the East West Centre and Department of Natural Resources and the Environment.

Monitoring Vehicular Air Pollution in Hanoi City (FY2004)

US-AEP, in collaboration with the US-EPA and the TSSC-sponsored Center for Environmental Engineering of Towns and Industrial Areas (CEETIA), trained 24 monitoring station operators on quality assurance and control in fixed and mobile air monitoring stations. A second training included hands-on training for CEETIA on data analysis, interpretation, reporting and evaluation of air quality monitoring using the data collected from the Air Quality Monitoring stations during the first TSSC grant activity by CEETIA. All participants indicated in an evaluation survey that the training course met their expectations. Training course materials were provided to Swisscontact to ensure harmonization among donors in air monitoring activities in Vietnam.

- TSSC helped facilitate the initial planning meeting of a \$5 million Air Quality Management Component (AQMC) to be led by the Department of Natural Resources and the Environment (DONRE). TSSC worked to arrange a meeting of relevant parties, which included representatives from government and donors, to discuss AQMC project preparation.

Improving Environmental Governance

The TSSC grant to Ecology and Environment Institute (EEI) for supporting the development of a decision-making process to determine allowable levels of water was approved and signed on the 1st March 2005. The grant to EEI marks a first step in Vietnam towards increased knowledge and awareness of environmental flows, to maintain ecosystems and their benefits where there are competing water uses and where flows are regulated. The TSSC grant activities involve: 1) a stakeholders workshop to exchange ideas on environmental flows; 2) a study tour to South Africa; and 3) a dissemination workshop.

The TSSC short term technical consultant, Mr. Bruce Fitzgerald, the Department of the Water Resources and TSSC met to brainstorm and develop the purpose of the study tour as: 1) to develop a clear technical and policy understanding of the best international practices regarding setting of environmental/river health flow rules, and 2) to assess how these policies and techniques should be adapted or modified for application to Vietnam.

EEI and the Department of Water Resources, in collaboration with the TSSC, developed the objectives and agenda for the stakeholder workshop in April in Tam Dao to enable participants from relevant organizations to exchange ideas on:

- the general effect which major dams and extraction of water have on river flows,
- the connection between these flow changes and potential impacts on the environment and long-term economic and community interests,
- water infrastructure and water use impacts on flow regimes in relation to existing and proposed new developments, and formulate appropriate recommendations concerning infrastructure designs and operation rules and water extraction rules that will achieve desired long-term environmental, economic and community outcomes, and
- approaches that have been used overseas and in Viet Nam to develop flow management rules that can mitigate potential impacts.

Improving Industrial & Energy Efficiency

Responsible Care (FY2004)

TSSC held a progress review meeting with the Chemical Society of Vietnam (CSV), Bayer and US-AEP, resulting in the first step towards CSV inviting a foreign company (Bayer) to formally become a Core Team member and a model for Responsible Care in the South of Vietnam. VSC, with the support of TSSC and Bayer, will hold a training workshop and assist the CSV to complete their application to the RCLG

Administration

TSSC office helped the Ministry of Industry to liquidate Grant No: G2004-004 for Hazardous Waste Management Training Courses. The work on this grant was finalized in July 31, 2004. CAE received the advance payment of \$3,000 out of the total grant amount of \$9,000.

The TSSC office participated in the Fauna and Flora International-Vietnam Conservation Support Program that launched the first comprehensive map of Vietnam focusing on Ecotourism.

OPERATIONAL SUPPORT

Grants and Short Term Technical Assistance (STTA)

The TSSC team continues to manage 26 active grants and STTAs in addition to the following 24 grants and STTAs that were awarded during this quarter:

India

- GRANT: to Centre for Environment Management (CEE) for support of air quality management. Amount \$7,000.
- QRG GRANT: to Capstone for Rural Electrification in West Bengal. Amount \$25,000.
- QRG GRANT: to Hydroqual for Urban Drainage Modeling of the Kathrigruppe Valley Drainage Area in Bangalore. Amount \$25,000.
- QRG GRANT: to Environmental Systems Products, for Indian 2 & 3 wheeler Remote Sensing Detection System Adaptation and Demonstration. Amount \$25,000.
- STTA: to Lolita Kewalramani for air quality management public outreach campaign. Amount \$2,500.
- STTA: to Ajay Ojha for developing air quality management cell in Pune, India. Amount \$4,400.

Indonesia

- QRG GRANT: to Dr. Darmadi Goenarso for IQs of Primary School Children in Bandung. Amount \$19,850.
- GRANT: to Swisscontact for Outreach of Personal Exposure Monitoring (PEM) Project and Management of PEM Equipments. Amount \$12,600.
- STTA: to Julian Marshall and Dane Westerdahl for Measuring Exposure to Particulate Matter and Carbon Monoxide. Amount: Marshall: \$21,715; Westerdahl: \$7,222.

Philippines

- GRANT: to University of the Philippines Chemical Engineering Alumni Foundation, Inc to assist the Department of Environment and Natural Resources (DENR) in the development of guidelines on the use of wastes as alternative fuels/raw (AFR) Materials in Cement Kiln Co-processing. Amount \$4,920.
- QRG GRANT: to Environmental Broadcast Circle Association for Public Awareness Campaign. Amount \$24,995.
- GRANT: to Tagbalay Foundation for developing a public awareness campaign to maximize the impact of Puerto Princesa's Clean Air Program. Amount \$5,124.
- STTA: to Dr. Rolando V. Cuaño to develop DENR Guidelines and Procedures for Chemical and Hazardous Wastes Management. Amount \$10,000.
- STTA: to Maria Paz Luna for developing and drafting reference materials, including issues surrounding implementation of the Clean Water Act for Local Government Units (LGUs). Amount \$3,750.
- STTA: to Elisea Gillera Gozun to assist the National Water Resources Board (NWRB) in the set-up of a pilot Regional Council (RC) for Region 7 that is consistent with the establishment of water quality management areas under the Clean Water Act (CWA).

Sri Lanka

- QRG GRANT: to Industrial Services Bureau for Verification of Environmental Technologies and Processes of Wastewater Treatment for Vehicle Service Stations. Amount \$20,900.
- GRANT: to Environment Management to Lanka (EML) for Assistance to Kotte Municipality. Amount \$16,835.
- GRANT: EcoProtect Engineering (PVT) for Erosion Control. Amount \$6,878.
- STTA: to six consultants (A.H. Gamage, Palitha Abewardena, W.D. Wimalaratne, C. Paranagama, N. Sivahumaran and G. L. A. Nanayakkara) for organizing and facilitating three one-day workshops to identify strengths, weaknesses, opportunities and threats (SWOT) to carryout their commitments to waste management districts. Amount \$2,590.

Thailand

- GRANT: to Venture for Fund Raising to support We Love Tha Chin workshop. Amount \$5,074.
- QRG GRANT: to International City/County Management Association (ICMA) for Capacity Building for Khon Kaen. Amount \$25,000.

Vietnam

- GRANT: to Vietnam Environmental Technology and Consulting Joint Stock Company (VENETCO) for support to PCB Management Plan. Amount \$25,000.
- GRANT: to Affinity Consultants for Supporting Vietnam Government and Electricity Corporation to develop Plan for Proper Management of PCBs. Amount \$25,000.
- GRANT: to Ecology and Environment Institute (EEI) for supporting the development of a decision making process to determine allowable levels of water. Amount \$12,500.

The TSSC team provided technical assistance for the purchase and shipment of air quality monitoring equipment to Indonesia amounting to \$30,729.

Communications

In this Quarter, the TSSC completed several communications initiatives that were under development.

US-AEP Website

Most notably, a new US-AEP website (www.usaep.org) was launched. The electronic draft of the web site was completed on schedule (January 15, 2005), and subsequently launched on February 28, 2005 following reviews, revisions, and approvals by Country Managers and the Regional Coordinator. While the new US-AEP website is the most visible evidence of TSSC efforts, greater benefits are likely to result from the content developed for the site, including:

- A concise description of US-AEP's environmental foci and program tools.
- 67 individual program initiative descriptions.
- 31 success stories highlighting impacts.
- The identification and publishing of media representatives for each US-AEP country.
- Electronic versions of US-AEP print materials produced in the first quarter.

In March, requests for changes to the web site increased, and TSSC's response-time averaged 15 to 30 minutes between the receiving a requested change from the client and making the changes to the site.

Media Relations

Media releases, advisories, and backgrounders were drafted for use by US-AEP partners in Vietnam to promote significant events sponsored by US-AEP. The draft releases prepared were entitled:

- Vietnam: Roadmap for Euro Vehicle Standards. Released January 27, 2005.
- International and Vietnamese experts discuss air quality. Released February 28/2005.
- National workshop convened to address demands on Vietnam's water. Released April 14, 2005.

USAID Branding

The implementation of the new USAID branding standards continued with production of business cards, signage, and a workshop report entitled [Public Awareness Campaigns for Improving Air Quality](#). Since the US-AEP Program concludes at the end of September 2005, a wholesale redesign of existing materials is not planned; however, wherever possible, new materials produced during the last two quarters of FY2005 will comply with USAID branding guidelines.

Internal Communications (At-A-Glance)

The content of US-AEP's *At a Glance* was reformatted to more clearly highlight the date, topic and location of significant events. Development of a web-page version was initiated in anticipation of allowing online access to the Program Update.

Success Stories

An editorial meeting with key USAID staff for Telling Our Stories (TOS) and Frontlines was organized, and a tracking database for story development and submissions created. Several success stories were drafted and submitted to the USAID TOS initiative, including:

India - **Harvesting the Rain** (*submitted January 2005*)

Rainwater harvesting replenishes water supply for thousands in India

Indonesia - **Fresh Air for Indonesian Children** (*submitted February 2005*)

Fuel initiatives help reduce lead exposure for 5 million children

Sri Lanka - **Turning Waste into Profits and Jobs** (*submitted March 2005*)

Composting reduces Colombo's garbage by more than 1.3 million pounds a day

Vietnam - **Women with No Time to Waste** (*submitted February 2005*)

Private waste collectors in Ho Chi Minh City organize to improve health and livelihoods

Vietnam - **Vietnam Moves to Reduce Toxic Air** (*submitted March 2005*)

USAID partnerships help reduce dangerous vehicle emissions

A success story from the Philippines entitled "**Improving Air Quality and Livelihoods:**

Program reduces air pollution and empowers drivers" was published on the USAID website in March 2005.

Transition Communications

Additions of content to the US-AEP website Resources Page facilitated the communication of messages provided by USAID to stakeholders about the future of the program. In addition, significant progress was made towards compiling a list of 300+ partners involved with US-AEP programs.